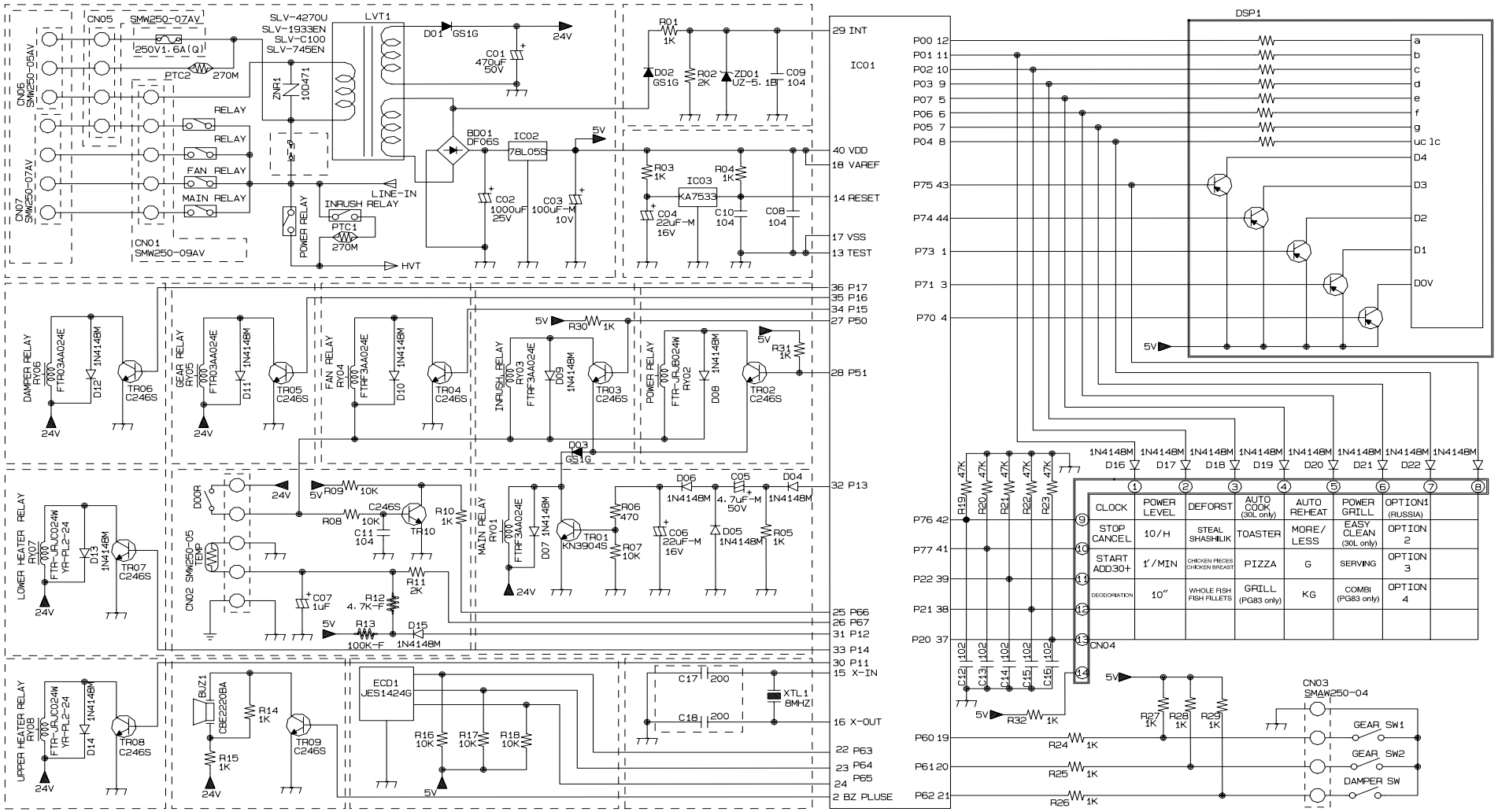
8. P.C.B Diagrams

8-1 P.C.B Diagrams(This Document can not be used without Samsung's authorization)



RA-TBM0/RC-TBM0
SCHEMATIC

8-2 P.C.B Parts List

Code No.	Description	Specification	Q'ty	Remark
3501-001062	RELAY-POWER	24VDC,523.2mW,16A,1FormA,15mS,	1	RY03
3501-001068	RELAY-POWER	24Vdc,523mW,16A,1FormA,15mS,10	2	RY07,RY08
3501-001155	RELAY-MINIATURE	24VDC,200MW,3000MA,1FORMA,10MS,10MS	2	RY01,RY02
3601-001126	FUSE-CARTRIDGE	250V,1.6A,FAST-ACTING,CERAMIC,5x20mm	1	FUSE
3708-001551	CONNECTOR-FPC/FFC/PIC	14P,1.25mm,STRAIGHT,SN	1	CN04
DE07-00037T	LED DISPLAY	CSE-4246G-18,TBMO(RUSSIA)	1	LED1
DE09-00054A	IC MICOM	TPM87CH47U,OTP-16K,QFP,-,-,-,-	1	IC01
DE26-00078A	TRANS-L.V	SLV-C100,230V,50HZ,AC17.0	1	LVT1
DE30-20016A	BUZZER	CBE2220BA,STICK,-,-,-,-,-,-,-	1	BUZ1
DE47-40024A	HOLDER-FUSE	FH-51H,7.5A,-,-,-,-,-	1	FUSE
0401-001083	DIODE-SWITCHING	MM4148,100V,150MA,LL-34,TP	8	D04~D09,D13,D14
0401-001083	DIODE-SWITCHING	MM4148,100V,150MA,LL-34,TP	8	D16~D23
0402-001080	DIODE-RECTIFIER	GF1G,400V,1A,DO-214BA,TP	3	D01,D02,D03
0402-001298	DIODE-BRIDGE	DF06S,600V,1A,SMD-4,TP	1	BD01
0403-001288	DIODE-ZENER	ZMM55C5V1,4.8-5.4V,500MW,LL-34,TP	1	ZD01
0501-000465	TR-SMALL SIGNAL	MMBT3904,NPN,350MW,SOT-23,TP,30-300	1	TR01
0504-001080	TR-DIGITAL	KRC246S,NPN,200mW,2.2K/10K,SOT-23,TP	6	TR02,TR03,TR07~TR10
1202-000141	IC-VOLTAGE COMP.	7033,SOT-89,3P,-,SINGLE,0V,-,P	1	IC03
1203-001037	IC-VOLTAGE REGULATOR	78L05,SOT-89,3P,185MIL,PLASTIC	1	IC02
1404-000230	THERMISTOR-PTC	27ohm,20%,-,265V,1.5A,360mA,BK	2	PTC1,PTC2
2007-000033	R-CHIP	0OHM,5%,1/8W,DA,TP,3216	11	J01~J11
2007-000277	R-CHIP	100KOHM,1%,1/10W,DA,TP,2012	1	R13
2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	6	R07~R09,R16~R18
2007-000468	R-CHIP	1KOHM,5%,1/10W,DA,TP,2012	5	R01,R03,R04,R05,R10
2007-000468	R-CHIP	1KOHM,5%,1/10W,DA,TP,2012	10	R14,R15,R24~R31
2007-000671	R-CHIP	2KOHM,5%,1/10W,DA,TP,2012	2	R02,R11
2007-000868	R-CHIP	4.7KOHM,1%,1/10W,DA,TP,2012	1	R12
2007-000931	R-CHIP	470OHM,5%,1/10W,DA,TP,2012	1	R06
2007-000941	R-CHIP	47KOHM,5%,1/10W,DA,TP,2012	5	R19~R23
2203-000444	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,2012,-	5	C12~C16
2203-000555	C-CERAMIC,CHIP	0.02nF,5%,50V,NP0,TP,2012	2	C17,C18
2203-001608	C-CERAMIC,CHIP	22nF,+80-20%,50V,Y5V,TP,2012	4	C08~C11
2401-000151	C-AL	1000uF,20%,25V,GP,TP,10x20,5	1	C02
2401-000244	C-AL	100uF,20%,10V,GP,TP,6.3x7,5	1	C03
2401-000911	C-AL	22uF,20%,16V,GP,TP,5x7,5	2	C04,C06
2401-001428	C-AL	470uF,20%,50V,GP,TP,10x20,5	1	C01
2401-002075	C-AL	4.7uF,20%,50V,GP,TP,5x11,5	1	C05
2801-003933	CRYSTAL-UNIT	8MHz,50ppm,28-AAA,12pF,70ohm,TP	1	XTL1
3711-000881	CONNECTOR-HEADER	BOX,3P,1R,2.5mm,STRAIGHT,SN	1	CN02
3711-004200	CONNECTOR-HEADER	BOX,5P/7P,1R,2.5MM,STRAIGHT,SN	1	CN05
DE60-60012A	PIN-EYELET	ID2.1,OD2.5,L3.0,SN,BSP,T0.25,	2	-